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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/709,592	05/17/2004	Chih-Chuan Cheng	CEIP0059USA	3591
27765 7590 08/27/2007 NORTH AMERICA INTELLECTUAL PROPERTY CORPORATION P.O. BOX 506 MERRIFIELD, VA 22116			EXAMINER DEBELIE, MITIKU W	
			ART UNIT	PAPER NUMBER
			2621	
			NOTIFICATION DATE	DELIVERY MODE
			08/27/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No.		Applicant(s)	
	10/709,592		CHENG ET AL.	
	Examiner		Art Unit	
	Mitiku Debelie		2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05/17/2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 - 19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 - 19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 May 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>12/29/2005 and 04/28/2006</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Information Disclosure Statement

2. The reference listed in the information disclosure statements (IDS) filed on 12/29/2005 and 04/28/2006 have been considered by the examiner.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1 – 19 are rejected under 35 U.S.C. 102(e) as being anticipated by Sullivan (U.S. Publication Number 2007/0009049).

Regarding claim 1, Sullivan discloses a method for processing audiovisual signal for processing audiovisual (AV) signals comprising: receiving a first AV signal by a receiving module (see Fig. 1, RECEIVER 110 paragraph [0006]); transmitting the first AV signal to a coder and decoder (CODEC) (Fig. 1,

ENCODER 106) by a control unit in order to convert the first AV signal into a second AV signal (encoded signal), wherein the CODEC is connected to the receiving module and the control unit, and the control unit controls the CODEC (see paragraphs [0007] and [0054]); storing the second AV signal (encoded signal) in a storing device connected to the CODEC and the control unit, wherein the control unit can control the storing device, and the storing device has stored a third AV signal (stored signal) (see paragraphs [0007] and [0054]); while proceeding step (a) to (c), transmitting the third AV signal (stored signal) to the CODEC by the control unit, and decoding the third AV (stored signal) signal into a fourth AV signal (decoded signal) by the CODEC (see Fig. 2, paragraph [0007]); transmitting the fourth AV signal (decoded signal) to an editing module by the control unit (see paragraph [0007]); and editing the fourth AV signal (decoded signal) to form a fifth AV signal (edited signal) by the editing module (see Fig. 1, VIDEO EDITOR 104, paragraph [0006])

Regarding claim 2, Sullivan teaches a method for processing audiovisual signal wherein after an edited signal is encoded into a sixth signal (encoded signal) the control unit stores the signal in storing device (see paragraph [0054]).

Regarding claim 3, Sullivan teaches a method for processing audiovisual signal wherein a signal is displayed on a display device (see Fig. 1, VIDEO DISPLAY 116, Fig. 5, MONITOR 542, paragraphs [0007] and [0091]).

Regarding claim 4, Sullivan teaches a method for processing audiovisual signal wherein the first display device (Fig. 5, MONITOR 542) is connected to a receiving module (Fig. 5, MODEM 556).

Regarding claim 5, Sullivan teaches a method for processing audiovisual signal wherein the fourth signal (decoded signal) and the fifth signal (edited signal) are displayed on a second display device (see Fig. 5, REMOTE COMPUTER DEVICE 548).

Regarding claim 6, Sullivan teaches a method for processing audiovisual signal wherein the second display (VIDEO DISPLAY 116) device is connected to the CODEC (VIDEO ENCODER 106) (see Fig. 2).

Regarding claim 7, Sullivan is silent on a method for processing audiovisual signal wherein the receiving module has an analog-to-digital converter (ADC) for receiving an analog AV signal and converting the analog AV signal into a corresponding digital AV signal the. However it is inherent characteristics of the method for processing audiovisual signal of Sullivan to include ADC. (For the VIDEO CAMERA 102 to transmit signal to the VIDEO ENCODER 106, it had to have the signal converted from analog to digital) (see Fig. A, paragraph [0006]).

Regarding claim 8, Sullivan teaches a method for processing audiovisual signal wherein the control unit has a basic input/output system (BIOS) (see Fig. 5, BIOS 514).

Regarding claim 9, claim 9 recites, "A method for processing audiovisual signal for processing AV signals comprising: (a) receiving a first AV signal by a receiving module; (b) transmitting the first AV signal to a CODEC by a control unit in order to convert the first AV signal into a second AV signal, wherein the CODEC is connected to the receiving module and the control unit, and the control unit controls the CODEC; (c) storing the second AV signal in a storing device connected to the CODEC and the control unit, wherein the control unit can control the storing device; (d) receiving a third AV signal by the receiving module; (e) transmitting the third AV signal to the CODEC by the control unit in order to convert the third AV signal into a fourth AV signal; (f) storing the fourth AV signal in the storing device; (g) while performing steps (d) to (f), transmitting the second AV signal to the CODEC by the control unit, and decoding the second AV signal into a fifth AV signal by the CODEC; (h) transmitting the fifth AV signal to an editing module by the control unit, wherein the control unit controls the editing module, and the editing module is connected to the control unit and the CODEC; and (i) editing the fifth AV signal to form a sixth AV signal by the editing module." This claim reads on claim 1 above. (Sullivan clearly has disclosed receiving, encoding, decoding, editing and displaying audiovisual signal and the physical components need for accomplishing the same).

Regarding claim 10, grounds for rejecting claim 3 apply for claim 10 in its entirety.

Regarding claim 11, grounds for rejecting claim 4 apply for claim 11 in its entirety.

Regarding claim 12, the limitations of this claim have been analyzed in relation to claims 1 and 9 above.

Regarding claim 13, grounds for rejecting claim 6 apply for claim 13 in its entirety.

Regarding claim 14, grounds for rejecting claim 7 apply for claim 14 in its entirety.

Regarding claim 15, grounds for rejecting claim 8 apply for claim 15 in its entirety.

Regarding claim 16, claim 16 recites, "A method for processing audiovisual signal for processing AV signals by a digital recording device comprising: (a) receiving a first AV signal by a receiving module; (b) transmitting the first AV signal to a CODEC by a control unit in order to convert the first AV signal into a second AV signal and display the second AV signal on a first display device, wherein the CODEC is connected to the receiving module and the control unit, and the control unit controls the CODEC; (c) storing the second AV signal in a storing device connected to the CODEC and the control unit, wherein the control unit can control the storing device; (d) receiving a third AV signal by the receiving module; (e) transmitting the third AV signal to the CODEC by the control unit in order to convert the third AV signal into a fourth AV signal and display the fourth AV signal on the first display device; (f) storing the fourth AV

signal in the storing device; (g) while performing steps (d) to (f), transmitting the second AV signal to the CODEC by the control unit, and decoding the second AV signal into a fifth AV signal by the CODEC; (h) transmitting the fifth AV signal to an editing module by the control unit, wherein the control unit controls the editing module, and the editing module is connected to the control unit and the CODEC; (i) editing the fifth AV signal to form a sixth AV signal by the editing module, wherein both the fifth AV signal and the sixth AV signal can be displayed on a second display device; (j) transmitting the sixth AV signal to the CODEC by the control unit in order to convert the sixth AV signal into a seventh AV signal; and (k) storing the seventh AV signal in the storing device by the control unit.” This claim reads on claim 1 above. (Sullivan clearly has disclosed receiving, encoding, decoding, editing and displaying audiovisual signal and the physical components need for accomplishing the same).

Regarding claim 17, Sullivan teaches a method for processing audiovisual signal for processing audiovisual signal wherein the first display unit (VIDEO DISPLAY 116) is connected to the CODEC (VIDEO DECODER 114) (see Fig. 1).

Regarding claim 18, grounds for rejecting claim 6 apply for claim 18 in its entirety.

Regarding claim 19, Sullivan teaches a method for processing audiovisual signal wherein the digital device is a digital camcorder (see fig. 1, paragraph [0006]).

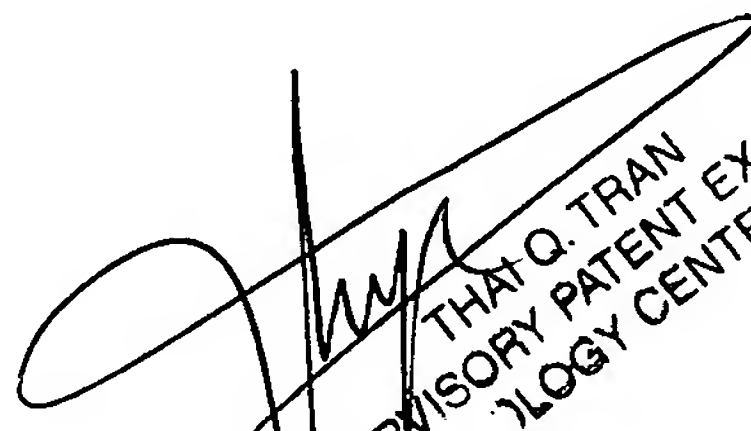
Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mitiku Debelie whose telephone number is (571) 270 1706. The examiner can normally be reached on Mon - Fri 8:00 - 5:00 ET.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thai Tran can be reached on (571) 272 7382. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MD
08/16/2007


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